Applied Numerical Mathematics 6 (1989/90) 523–524
North-Holland

AUTHOR INDEX VOLUME 6 (1990)

(The issue number is given in front of the page numbers)

Ameen, W., see **Sallam, S.** (3) 225–238

Bernardi, C. and **Y. Maday**, Approximation results for spectral methods with domain decomposition (1–2) 33– 52
Bernardi, C., Y. Maday and **G. Sacchi Landriani**, Nonconforming matching conditions for coupling spectral and finite element methods (1–2) 6– 845
Boyer, B., see **Wimp, J.** (3) 239–248
Bramble, J.H. and **J.E. Pasciak**, A domain decomposition technique for Stokes problems (4) 251–261

Campbell, S.L. and **K.D. Clark**, Convergence of BDF approximations for nonsolvable differential algebraic equations (3) 153–158
Chan, T.F. and **D. Goovaerts**, Schur complement domain decomposition algorithms for spectral methods (1–2) 53– 64
Chen, K.P. and **D.D. Joseph**, Application of the singular value decomposition to the numerical computation of the coefficients of amplitude equations and normal forms (6) 425–430
Chen, Y.M. and **F.G. Zhang**, Hierarchical multigrid strategy for efficiency improvement of the GPST inversion algorithm (6) 431–446
Clark, K.D., see **Campbell, S.L.** (3) 153–158
Cohen, A.M., Chebyshev approximations for $\cos \frac{1}{2}\pi x^2$ and $\sin \frac{1}{2}\pi x^2$ with applications (3) 159–167
Cuyt, A., Old and new multidimensional convergence accelerators (3) 169–185
Cvetković, L. and **D. Herceg**, Some sufficient conditions for the convergence of the method of averaging functional corrections (3) 187–194

Daras, N.J., The convergence of Padé-type approximants to holomorphic functions of several complex variables (5) 341–360
Demaret, P., M.O. Deville and **C. Schneidesch**, Thermal convection solutions by Chebyshev pseudospectral multi-domain decomposition and finite element preconditioning (1–2) 107–121
Deville, M.O., see **Demaret, P.** (1–2) 107–121
Dryja, M. and **W. Proskurowski**, Composite iterative method for elliptic problems in irregular regions (4) 263–279

Duffy, D.G., Unsteady viscous flow around a circular cylinder found by the hopscotch scheme on a vector processing machine (3) 195–208

Funaro, D., Computational aspects of pseudospectral Laguerre approximations (6) 447–457

Gastaldi, F. and **A. Quarteroni**, On the coupling of hyperbolic and parabolic systems: analytical and numerical approach (1–2) 3– 31
Goodman, R.H., Some models of relative error in products (3) 209–220
Goovaerts, D., see **Chan, T.F.** (1–2) 53– 64
Gropp, W.D., see **Keyes, D.E.** (4) 281–301

Herceg, D., see **Cvetković, L.** (3) 187–194
Hussaini, M.Y., see **Macaraeg, M.G.** (1–2) 1– 2

Jauberteau, F., C. Rosier and **R. Temam**, The nonlinear Galerkin method in computational fluid dynamics (5) 361–370
Joseph, D.D., see **Chen, K.P.** (6) 425–430
Joseph, G., A. Levine and **J. Liukkonen**, Randomized Newton–Raphson (6) 459–469

Karniadakis, G.E., Spectral element simulations of laminar and turbulent flows in complex geometries (1–2) 85–105
Keyes, D.E. and **W.D. Gropp**, Domain decomposition techniques for the parallel solution of nonsymmetric systems of elliptic boundary value problems (4) 281–301
Kida, S., Padé-type and Padé approximants in several variables (5) 371–391
Kida, S., Relation between Padé-type approximation and polynomial interpolation in several variables (5) 393–404
Kopriva, D.A., Domain decomposition with both spectral and finite difference methods for the accurate computation of flows with shocks (1–2) 141–151
Kuznetsov, Y.A., Multi-level domain decomposition methods (4) 303–314

Levine, A., see **Joseph, G.** (6) 459–469
Liukkonen, J., see **Joseph, G.** (6) 459–469

Macaraeg, M.G. and **M.Y. Hussaini**, Preface (1–2) 1– 2
Macaraeg, M.G., see **Streett, C.L.** (1–2) 123–139

0168-9274/90/$03.50 © 1990 – Elsevier Science Publishers B.V. (North-Holland)

Maday, Y., see **Bernardi, C.** (1–2) 33– 52
Maday, Y., see **Bernardi, C.** (1–2) 65– 84
Mattheij, R.M.M. and **M.D. Smooke**, Stability and convergence of linear parabolic mixed initial-boundary value problems on nonuniform grids (6) 471–485
McCormick, S.F., S.M. McKay and **J.W. Thomas**, Computational complexity of the fast adaptive composite grid (FAC) method (4) 315–328
McKay, S.M., see **McCormick, S.F.** (4) 315–328

Pasciak, J.E., see **Bramble, J.H.** (4) 251–261
Perkins, A.L. and **G. Rodrigue**, A domain decomposition method for solving a two-dimensional viscous Burgers' equation (4) 329–340
Prevost, M., Determinantal expression for partial Padé approximants (3) 221–224
Proskurowski, W., Foreword (4) 249
Proskurowski, W., see **Dryja, M.** (4) 263–279

Quarteroni, A., see **Gastaldi, F.** (1–2) 3– 31

Rodrigue, G., see **Perkins, A.L.** (4) 329–340
Rosier, C., see **Jauberteau, F.** (5) 361–370

Sacchi Landriani, G., see **Bernardi, C.** (1–2) 65– 84
Sallam, S. and **W. Ameen**, Numerical solution of general nth-order differential equations via splines (3) 225–238
Schneidesch, C., see **Demaret, P.** (1–2) 107–121
Sidi, A., Application of vector extrapolation methods to consistent singular linear systems (6) 487–500
Smooke, M.D., see **Mattheij, R.M.M.** (6) 471–485
Sommeijer, B.P., see **Van der Houwen, P.J.** (6) 501–521
Spigler, R., Numerical simulation for degenerate diffusions (5) 405–413
Streett, C.L. and **M.G. Macaraeg**, Spectral multi-domain for large-scale fluid dynamic simulations (1–2) 123–139

Temam, R., see **Jauberteau, F.** (5) 361–370
Thomas, J.W., see **McCormick, S.F.** (4) 315–328

Van der Houwen, P.J., B.P. Sommeijer and **F.W. Wubs**, Analysis of smoothing operators in the solution of partial differential equations by explicit difference schemes (6) 501–521

Walz, G., Increasing the convergence modulus of an asymptotic expansion (5) 415–423
Wimp, J. and **B. Boyer**, Formal series and an algorithm for computing some special determinants with elements in a ring (3) 239–248
Wubs, F.W., see **Van der Houwen, P.J.** (6) 501–521

Zhang, F.G., see **Chen, Y.M.** (6) 431–446